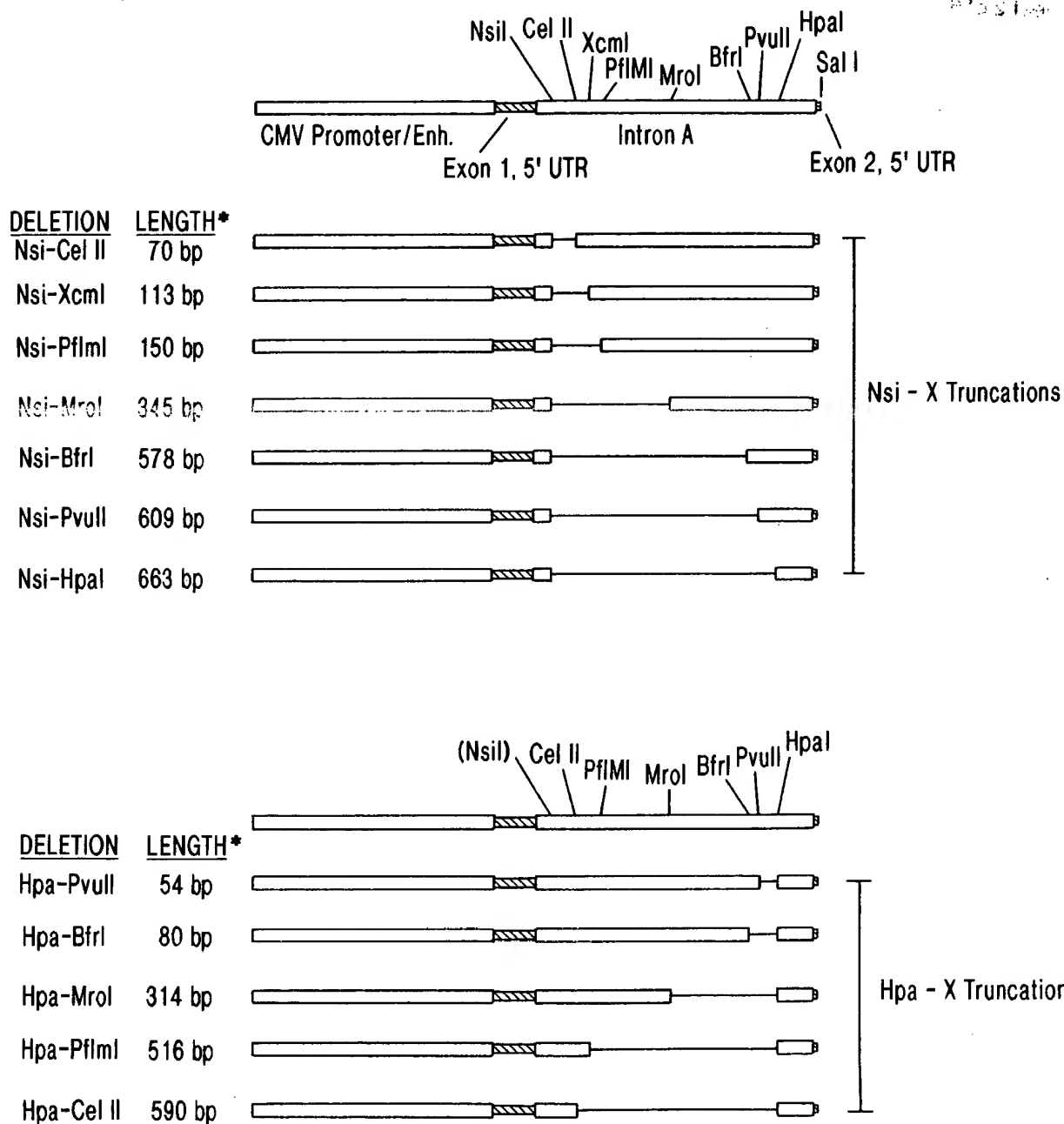




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FIG. 2

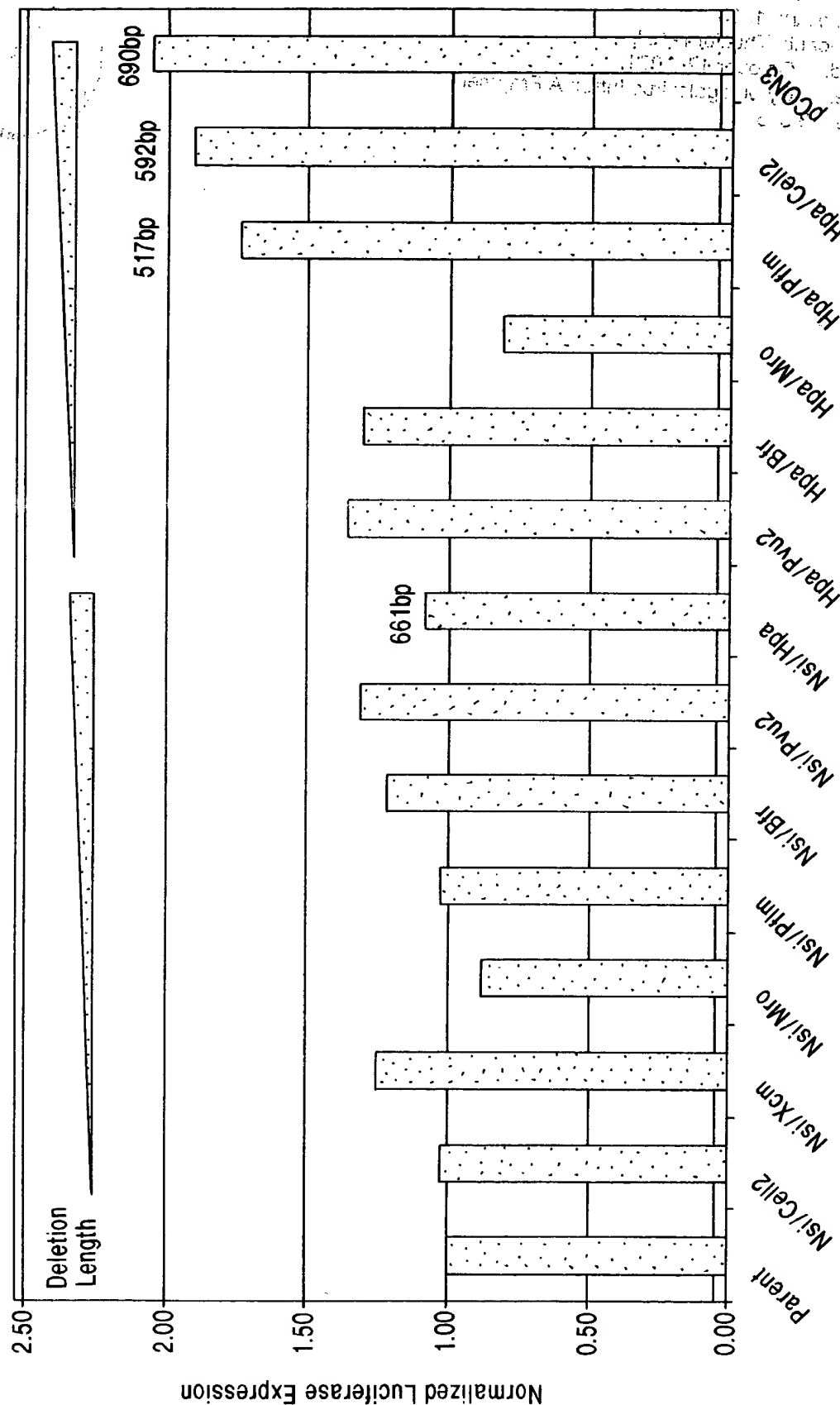
# Deletions Made Within Intron A of CMV IE1



\* Following restriction enzyme digestion, building, religation

FIG. 3

Intron A Internal Deletion Mutants  
(Transiently-Transfected 293 cells)



Construct I.D.

FIG. 4

1. Wild Type Rabbit  $\beta$ -Globin Sequence

GTTGGTATCCTTTTACAGCACAACTTAATGAGACAGATAGAAACTGGTCTTGTAGAAACA  
Splice Donor

GAGTAGTCGCCTGCTTTTCTGCCAGGTGCTGACTTCTCTCCCCTGGGCTGTTTTCATTTTCTCAG  
Branch Pt. Polypyrimidine Tract

FIG. 5A

2. Optimized Rabbit  $\beta$ -Globin Sequence

GTAAGTATCCTTTTACAGCACAACTTAATGAGACAGATAGAAACTGGTCTTGTAGAAACA  
Splice Donor

GAGTAGTCGCCTGCTTTTCTGCCAGGTACTAACTTCTCTCCCCTCTCCTCTTTTCTTTTTCTGCAG  
Branch Pt. Polypyrimidine Tract

FIG. 5B

Rabbit B-Globin Intron

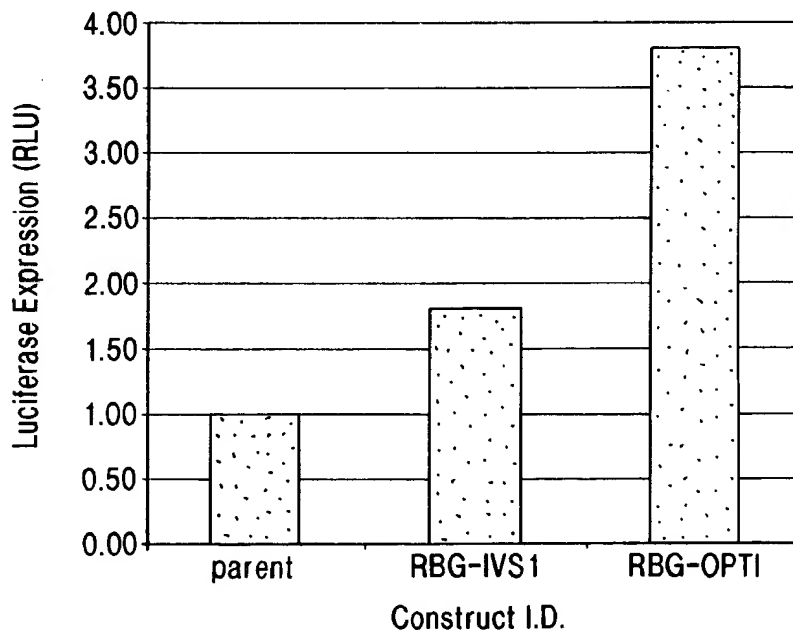
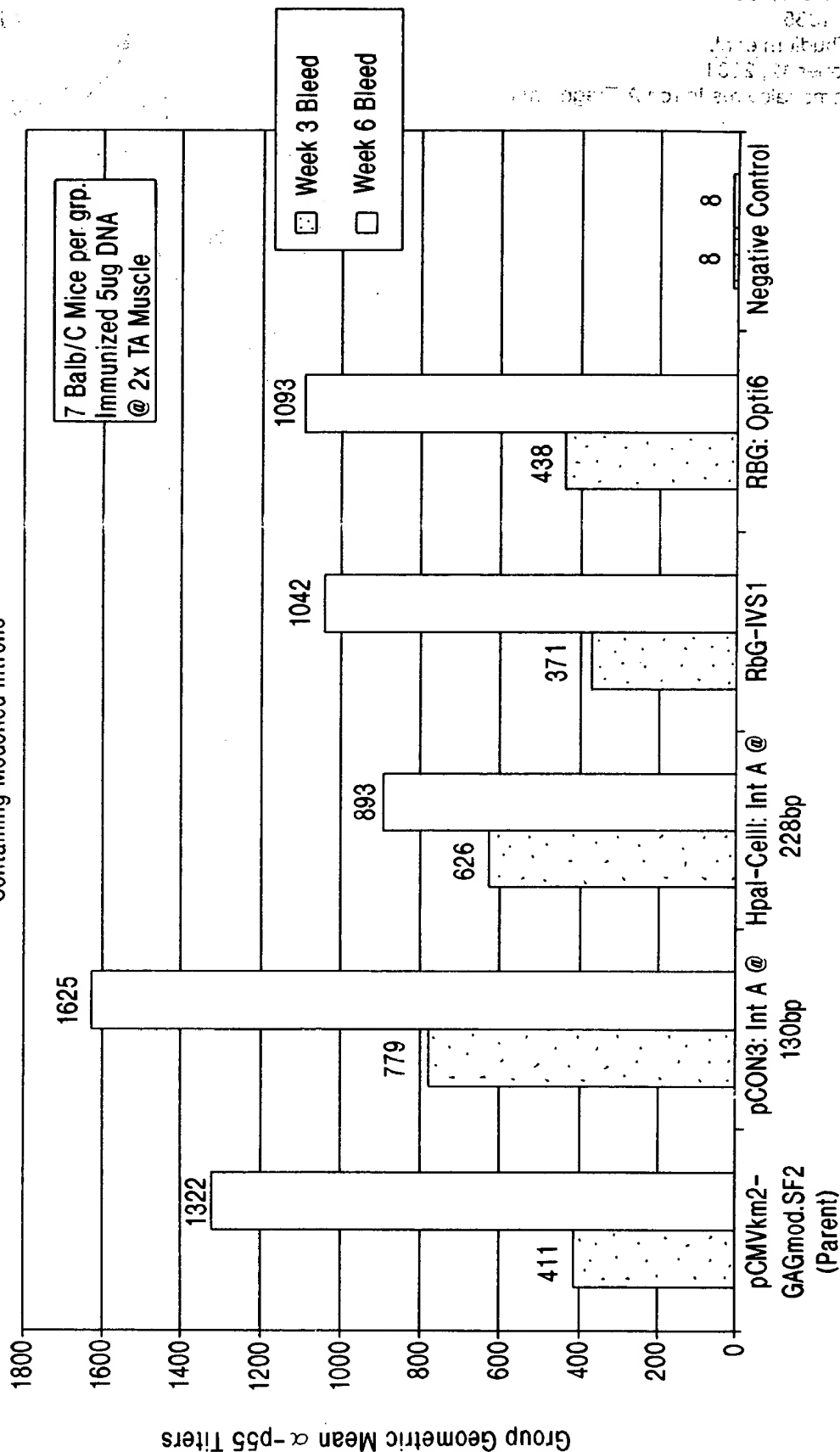


FIG. 6

# In Vivo Immunogenicity of Plasmid Vectors Containing Modified Introns



Immunizing Vector DNA

FIG. 7

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